

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 6.1.3
Date: 03/14/2016 10:30 AM
Cytometer Baseline: 10/21/2015 09:33 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads, **Part #:** 910723
Lot ID: 51739, **Expiration Date:** 01/31/2016 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124851	-1	2.25	124756	2.20
Blue	F	SSC	125000	125136	0	4.71	126248	4.45
Blue	E	FITC	17224	16869	-3	3.32	951	8.70
Blue	D	PE	22462	21844	-3	2.94	984	8.21
Blue	B	PerCP-Cy5-5	63940	63232	-2	3.47	1668	13.04
Blue	A	PE-Cy7	72480	71622	-2	4.43	941	24.34
Red	C	APC	63778	62667	-2	2.58	3535	7.89
Red	A	APC-Cy7	97254	96608	-1	2.64	1912	7.82
Violet	B	V450	10730	10437	-3	3.55	650	8.17
Violet	A	V500	42147	41002	-3	3.11	2326	5.73

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19880	3.19	584	-36	N/A	N/A	Pass
Blue	F	SSC	62460	3.53	510	-17	N/A	N/A	Pass
Blue	E	FITC	103	35.21	514	-25	0.0293	251	Pass
Blue	D	PE	202	23.76	508	-24	0.1761	114	Pass
Blue	B	PerCP-Cy5-5	202	38.97	597	-17	0.0117	8	Pass
Blue	A	PE-Cy7	71	94.35	650	-23	0.0156	8	Pass
Red	C	APC	331	25.39	577	-7	0.0226	5	Pass
Red	A	APC-Cy7	121	37.41	560	-5	0.0050	795	Pass
Violet	B	V450	69	39.20	451	-23	0.0418	1259	Pass
Violet	A	V500	151	21.85	479	-24	0.0146	221	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 6.1.3
Date: 03/14/2016 10:30 AM
Cytometer Baseline: 10/21/2015 09:33 AM
P/F: Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.11	-30.78	0.80
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.30
Red	16.87	13.28 - 19.92	N/A	N/A	31.46	31.65	1.13

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 14236

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.70

Comments